

**METHOD, MOBILE TELECOMMUNICATION NETWORK, AND NODE FOR  
AUTHENTICATING AN ORIGINATOR OF A DATA TRANSFER**

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ABSTRACT OF THE INVENTION

- A method of authenticating an originator of a packet in a network comprising filtering the packet for a tag embedded therein, reading the tag contents including an identifier and an encrypted hash, decrypting the encrypted hash included in the tag,
- 10 calculating a second hash from the identifier of the originator, and authenticating the originator of the packet upon determining the decrypted hash and the calculated hash are identical is provided. A node for authenticating an originator of a packet comprising a processing unit, a memory unit operable to store an authentication algorithm therein, and an interface to a network medium operable to receive the packet, the authentication
- 15 algorithm operable to filter the packet for a tag embedded therein, decrypt an encrypted hash in the embedded tag, calculate a hash from an identifier in the tag, and authenticate the originator upon a comparison between the decrypted hash and the calculated hash is provided.